

ABSTRACTMass Spectrometry

5       The invention provides a method of measuring the  
molecular mass of a compound Y of unknown molecular mass by  
mass spectrometry, comprising providing a sample of  
compound Y, providing samples of at least two different  
compounds each of formula (I) R-X in which R is a trityl  
10       group and X is cleavable to form a charged species for mass  
spectrometry, and recording the molecular mass of compound  
Y and the at least two compounds of formula (I) in a mass  
spectrometer. Thus compounds of formula (I) may be used as  
calibration compounds for mass spectrometry. They may also  
be used in a kit for the production of calibration  
15       compounds mass spectrometry comprising:

- (a) at least one base reactant of formula (I) R-X  
where R is a trityl group and X is cleavable to form a  
charged species for mass spectrometry and
- (b) at least two different amine compounds which are  
20       of different molecular masses and which are each capable of  
reacting with the base reactant and base reactant (a) is  
packaged separately from amine compounds (b).